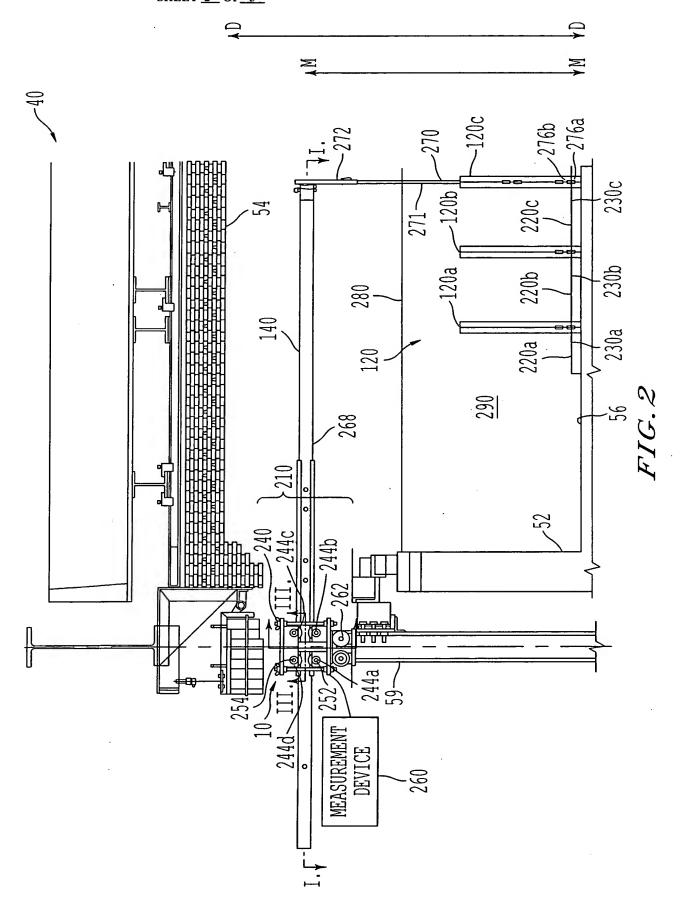


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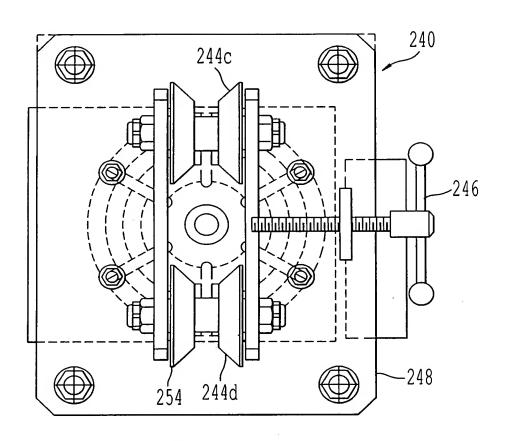


FIG. 3

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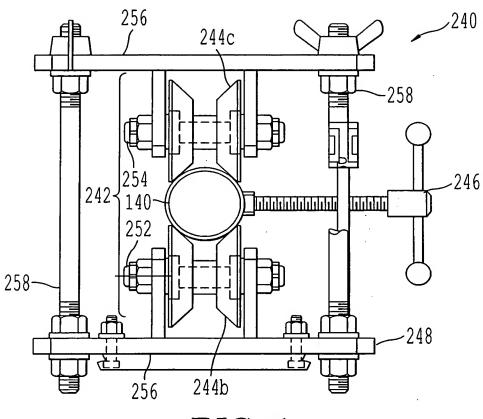


FIG. 4

OBLON, SPIVAK, ET AL **DOCKET #:209127US23** INV: W. Allan MERZ, et al. SHEET 5 OF 5 START MOVE FURNACE PROBE APPARATUS TO A POSITION PROXIMATE TO A -310DESIRED MEASUREMENT POSITION TERMINATE BATCH CHARGING OF THE ELECTRIC FURNACE AND POWER -320 SUPPLIED TO THE ELECTRODES POSITION PROBE APPARATUS -330 AT A DESIRED MEASUREMENT POSITION -340 OBTAIN A POSITION MEASUREMENT 350 ARE ADDITIONAL POSITION YES **MEASUREMENTS** NEEDED NO 360 IS THERE WEAR BASED ON **MEASUREMENTS** END FIG.5